

Title (en)

Diversity reception method and diversity receivers

Title (de)

Verfahren zum Diversity-Empfang und Diversity-Empfängers

Title (fr)

Procédé de réception en diversité et récepteurs en diversité

Publication

**EP 1045531 B1 20060607 (EN)**

Application

**EP 00303210 A 20000417**

Priority

GB 9908675 A 19990415

Abstract (en)

[origin: EP1045543A2] A diversity receiver for receiving COFDM signals such as used in DAB or DVB-T has a soft-decision decoder in each of its receiving sections, to provide confidence values for the received decoded digital values, and combines the values from the receiving sections in dependence upon the confidence values. The receiver has two sections (42,44) the outputs of which are applied to a soft-decision combiner (62) which combines the signals in dependence upon confidence values available for each bit of the signal and received from the tuner/demodulators (42). The output is then applied to a Viterbi decoder (46). The combining can simply involve switching but preferably involves averaging. Synchronisation and squelching can be provided. The system can be used with spatial or polarisation diversity, or with antenna pattern diversity, in which case it can constitute an automatic rotator.

IPC 8 full level

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CPC (source: EP US)

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Cited by

WO2005008907A1; WO2004036788A1; US7676202B2; US7155192B2; EP1296466A3; CN100350757C; KR100946289B1; KR100972109B1; EP1598956A3; EP1657830A1; FR2827728A1; EP1246458A3; US7809067B2; WO2006107965A1; WO2004100399A1; WO03009519A1; US7236548B2; EP1598956A2; US7957351B2; US8755357B2; US7319727B2; US7034893B2; US7610019B2; US7146134B2; US7929985B2; WO2005034419A1; WO03030403A1; US7457602B2; US8509723B2; US8818316B2

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